



2019

PRODUCT CATALOG

MATERIAL HANDLING

TIRES



**ROAD
FREE
COMPANY**



Camso Inc. reserves the right to change or discontinue any specifications, designs, features, models, or accessories shown or indicated without notice.

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WE HANDLE IT

When it comes to tires, we're about delivering the right product for the unique niche mobility needs of the material handling industry. That's why we offer the largest selection of specialized tires to cover 98% of all forklift applications.

Be it pneumatic, solid resilient or press-on tires, we have the range to meet the realities of today's evolving material handling market. Machine requirements have changed; they now lift heavier loads, travel at higher speeds and cover more distance with improved energy efficiency than ever before. With this, the intensity of their duty cycles is becoming more variable.

As off-the-road mobility niche specialists, we understand these nuances. We believe that to ensure the lowest operating cost solution of a forklift, you need to have the right tire for your application. So, we engineered an entirely new line of tires for all types of material handling intensities on any surface, be it in a port, warehouse, airport – you name it, **We Handle It.**

Maximum lifespan by usage intensity

When selecting tires for your forklift or your fleet of forklifts, tire life should be a given. To get a true understanding of how your tire will perform in a given application, you need to look beyond hours. You need to understand the usage intensity of that application which is based on factors such as the load carried by the vehicle, how far it travels, the driver's behaviour, the floor type, etc. These dynamics help us measure the work our tires will do for you. Only when considering all of this together will you receive the greatest return on your tire investment.

What's your level of intensity?

Our usage intensity calculator quantifies different levels of forklift application intensities. Fact-based, built on thousands of hours of testing, it takes into account parameters like lift capacity, working environment as well as idle, travel and manoeuvering time. In a few clicks you can output a forklift's application intensity score and a recommended tire that promises maximum tire life for your application.

Visit us at maximumlifespan.camso.co



COMPLETE LINE OVERVIEW

PRESS-ON TIRES (PON)



SOLIDEAL PON 775



SOLIDEAL PON 555



SOLIDEAL PON 550

RESILIENT TIRES (RES)



SOLIDEAL RES 660
XTREME SERIES



SOLIDEAL RES 550
MAGNUM SERIES



SOLIDEAL RES 330



SOLIDEAL
SOLIDAIR LT

INDUSTRIAL PNEUMATIC (AIR)



SOLIDEAL
HAULER LT



SOLIDEAL
PORTMASTER



SOLIDEAL AIR 550

GROUND SUPPORT EQUIPMENT (GSE)



SOLIDEAL AIR 561



SOLIDEAL RIB

NON-MARKING PRESS-ON TIRES



SOLIDEAL PON 775 NMAS



SOLIDEAL MAGNUM SM NM



SOLIDEAL MAGNUM TR NM

NON-MARKING RESILIENT TIRES



SOLIDEAL XTREME NM



SOLIDEAL MAGNUM NM

NON-MARKING INDUSTRIAL PNEUMATIC



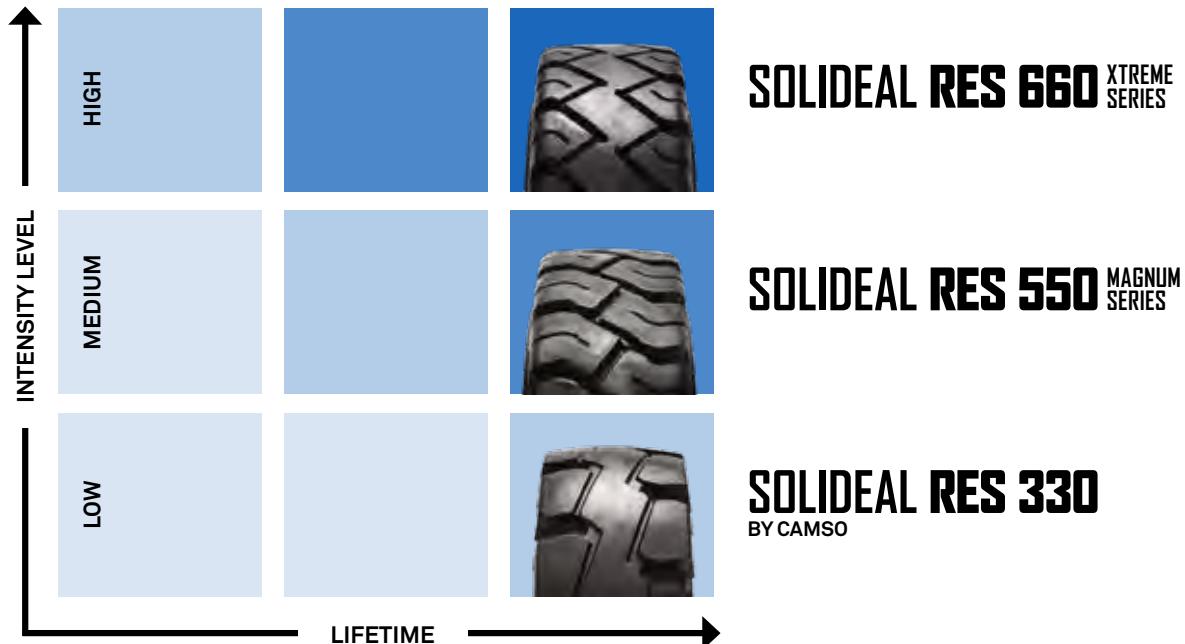
SOLIDEAL ED + NM



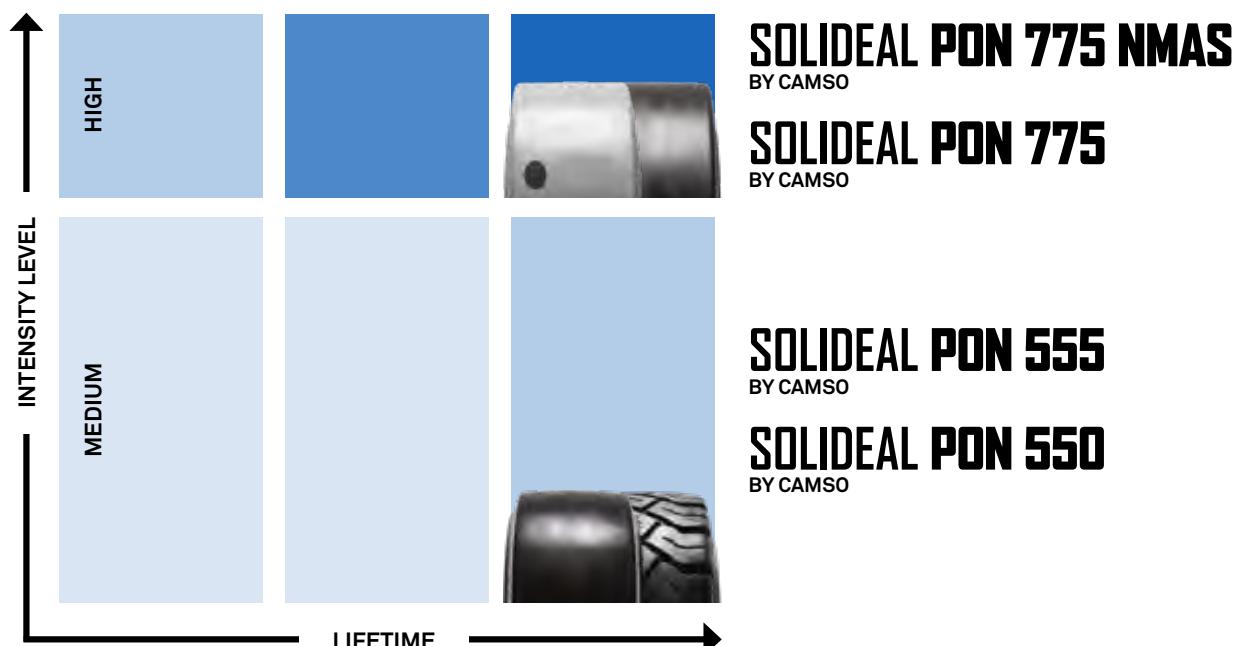
USAGE INTENSITY PRESENTATION

At Camso, we believe that to achieve the lowest operating cost solution, you need to have the right tire for the intensity of your application. Our new Solideal press-on tires and Solideal resilient tires were especially designed to offer you maximum lifespan within an array of applications.

RESILIENT TIRES



PRESS-ON TIRES



Visit us at maximumlifespan.camso.co to determine the intensity level of your operation

PRESS-ON TIRES

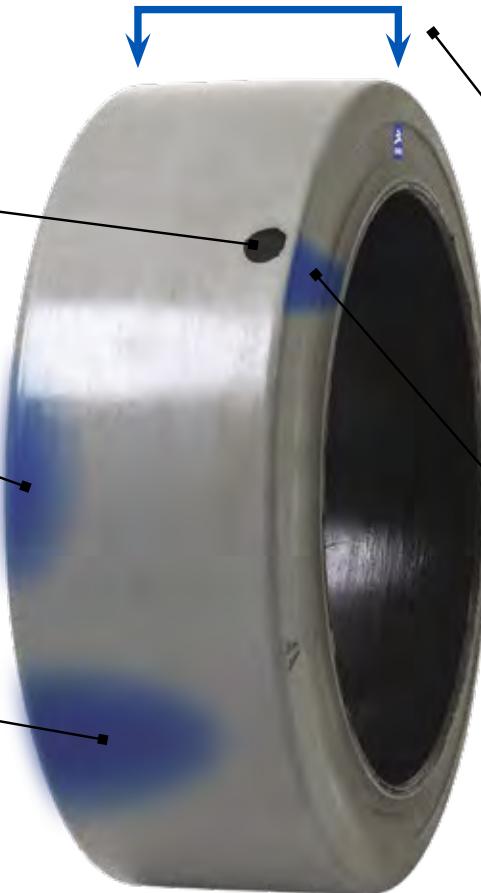


SOLIDEAL PON 775 NMAS

BY CAMSO



Engineered to prevent static shocks in high intensity applications



Patented anti-static technology

Prevents static electricity build-up to eliminate the risk of safety issues and truck damage

Thermally efficient construction

Provides a cooler running tire and the best in class energy efficiency

Abrasion-resistant tread compound

Increases tire life

Widest possible flat footprint

Reduces ground pressure to minimize heat built-up

Uniquely engineered sidewall

Reduces heat build-up caused by stresses in the tread shoulders

Engineered to prevent static shocks and provide the best performance of heat resistance, energy efficiency and long-lasting life in high intensity applications.

PERFORMANCE

DURABILITY



ENERGY SAVINGS



TIRE LIFE



POPULAR SIZES

21x7x15	18x7x12 1/8
21x8x15	22x12x16
16x6x10 1/2	

See full size list on page 30

1 HOW IT ALL STARTED

Non-marking tires are non conductive

Static electricity generated is stored rather than dissipated. This happens in high intensity indoor applications.



This electricity is stored in the truck and driveline

The insulating properties are due to the lack of carbon black



By making the tire non-marking it now becomes an insulator

Which leads to static electricity accumulation and discharge upon contact



Upon contact, the shock can be up to 50,000 volts

The contact can be with a person, or with any other conductive element

2 WHAT ARE THE CHALLENGES AND SAFETY HAZARDS?

This can cause operator injury



It constitutes a safety hazard, creates operator stress and ultimately a lack of productivity

It can also cause facility damage



Such as elevator outage and electrical circuit damage

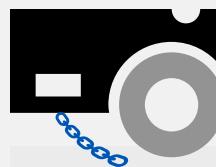
It can also cause the forklift to catch fire



Static electricity can create a spark which could lead to potential fire hazard in presence of a fuel or combustible material in the facility

Current solutions exist, but they are not very efficient

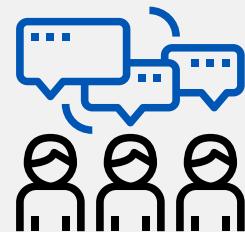
Straps and chains can provide some protection, but their efficiency is limited over time as they accumulate dust and debris, becoming insulators, or are simply damaged or missing, and costly to maintain and replace



3 HOW THE SOLUTION CAME TO LIFE

Camso listened to customer needs

The need to have a safer working environment was crucial. As leaders in material handling tires and with the “Right product for the application” approach, we were determined to find a viable solution



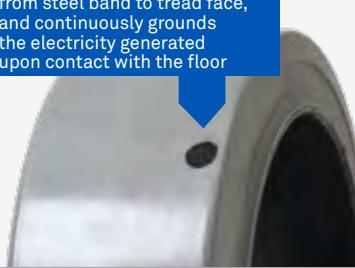
Extensive research, tests and validations were done



To launch the revolutionary PON 775 NMAS

An industry breakthrough, the first non-marking anti-static forklift tire

HOW DOES IT WORK?
This black plug is made of highly conductive black rubber, which is connected all the way from steel band to tread face, and continuously grounds the electricity generated upon contact with the floor



Why is our technology better than others?

We use natural rubber known in the industry for superior resistance to cutting and tearing without compromising life and thermal capabilities

SOLIDEAL PON 775

BY CAMSO



Designed for high-intensity applications



Engineered to provide the best performance of heat resistance, energy efficiency and long lasting life in high intensity applications



POPULAR SIZES

21x7x15	18x7x12 1/8
21x8x15	22x12x16
16x6x10 1/2	

See full size list on page 30



SOLIDEAL PON 555

BY CAMSO



Durability you can rely on

- 1 Optimal crowned profile**
Excellent cushioning for improved comfort
- 2 High-performance natural rubber compound**
Reduces chunking and cutting
Suitable for both IC and electric trucks



PERFORMANCE



AVAILABLE
IN NON-MARKING
COMPOUND



POPULAR SIZES

- 21 x 7 x 15
16 x 6 x 10 1/2
16 x 5 x 10 1/2

See full size list on page 30

SOLIDEAL PON 550

BY CAMSO



Durability you can rely on

- 1 Wide profile and flat footprint**
Increases stability and grip
- 2 High-performance natural rubber compound**
Provides great traction and stability
- 3 Huge lug depth**
Reduces chunking and cutting
Suitable for both IC and electric trucks



PERFORMANCE



AVAILABLE
IN NON-MARKING
COMPOUND



POPULAR SIZES

- 21 x 7 x 15
16 x 6 x 10 1/2
16 x 5 x 10 1/2

See full size list on page 30

RESILIENT TIRES



SOLIDEAL RES 660 XTREME SERIES



**Longest lasting tire in the industry
for high intensity applications***

Continuous center lug

Reduces vibration which lowers heat build-up and increases life
Increases operator comfort and slows wear on driveline components

Exceptional tread rubber compound properties

Makes this tire the longest lasting tire in the industry for high intensity applications*



Wide tread profile

Increases lateral load stability
Safer in high-lift and cornering situations

Wear indicator

Ensures maximum tire utilization

Cool running rubber compounds

Withstand high intensity usage and offer low energy consumption

* Based on internal testing

The ultimate tire for high intensity use. The **Solideal RES 660** runs at overall lower operating temperatures to withstand non-stop usage and high-load environments. A high-performing abrasion-resistant tread rubber compound makes this tire the longest lasting tire in the industry*. Low energy use and low vibration level is also making this tire the ideal solution for electrical forklift equipment.

PERFORMANCE ENERGY SAVINGS



TIRE LIFE



COMFORT



AVAILABLE IN NON-MARKING COMPOUND



POPULAR SIZES

7.00 - 12	28 x 9 - 15
-----------	-------------

6.00 - 9	
----------	--

6.50 - 10	
-----------	--

18 x 7 - 8	
------------	--

See full size list on page 34

SOLIDEAL RES 550 MAGNUM SERIES



**Longest lasting tire in the industry
for medium intensity applications***



- 1** Wide profile and flat footprint
Increases stability and grip
- 2** Large tread blocks and deep lugs
Maximizes life and traction
- 3** Established tread pattern design
Proven reliability for over 25 years
- 4** Exceptional tread rubber compound properties
Makes this tire the longest lasting tire in the industry for medium intensity applications*
- 5** 60J line
Ensures maximum tire utilization



PERFORMANCE

ENERGY SAVINGS



TIRE LIFE



COMFORT



AVAILABLE
IN NON-MARKING
COMPOUND



POPULAR SIZES

7.00 - 12

6.00 - 9

6.50 - 10

See full size list on page 34

* Based on internal testing

SOLIDEAL RES 330 BY CAMSO



**Longest lasting tire in the industry
for low intensity applications***



- 1** Well-balanced rubber compound
Operates in low intensity applications and offers the lowest operating cost
- 2** Aggressive deep tread design
Provides great traction and stability
- 3** Exceptional tread rubber compound properties
Makes this tire the longest lasting tire in the industry for low intensity applications*
- 4** Steel bead reinforced heel
Prevents rim slip
- 5** Wear indicator
Ensures maximum tire utilization



PERFORMANCE

ENERGY SAVINGS



TIRE LIFE



COMFORT



POPULAR SIZES

7.00 - 12

6.00 - 9

6.50 - 10

See full size list on page 36

* Based on internal testing

SOLIDEAL SOLIDAIR LT

BY CAMSO



Pneumatic comfort without compromise

Continuous center lug

Reduces vibration which lowers heat build-up and increases life

Improves operator comfort and slows wear on driveline component

Solidair aperture design technology

Improves ride quality

Great stability

Low vibration and shock transfer



A solid tire with a unique aperture design prevents shock transfer to fragile or impact-sensitive loads. Provides operators with a more comfortable ride on uneven surfaces.

PERFORMANCE

ENERGY SAVINGS



TIRE LIFE



COMFORT



POPULAR SIZES

7.00 - 12

6.00 - 9

6.50 - 10

See full size list on page 36

INDUSTRIAL PNEUMATIC TIRES (AIR)



SOLIDEAL AIR 550

BY CAMSO



Superior durability, performance and comfort



Combining a smooth, comfortable ride with great overall tire life. Thanks to its unique tread design, superior carcass strength and sidewall protection which makes it the lowest operating cost solution.

PERFORMANCE

TIRE LIFE



PUNCTURE RESISTANCE



STABILITY



AVAILABLE AS ED + NON-MARKING



POPULAR SIZES

7.00 - 12	28 x 9 - 15
6.00 - 9	
6.50 - 10	
18 x 7 - 8	

See full size list on page 40

SOLIDEAL HAULER LT

BY CAMSO



Ready for your challenges

Wide square tread profile

Provides superior stability

Wide sidewall with rim guard

Provides best side impact resistance

Three times thicker than standard tires

Massive tread blocks and deep lugs

Extend service life in severe applications

Reinforced undertread

Increases puncture resistance



With a heavy-duty carcass and high abrasion-resistant tread, it delivers both incredible puncture resistance and long life. With a reinforced sidewall for side impact protection, it's unstoppable.

PERFORMANCE TIRE LIFE



PUNCTURE RESISTANCE



STABILITY



AVAILABLE IN NON-MARKING COMPOUND



POPULAR SIZES

7.00 - 12	28 x 9 - 15
-----------	-------------

6.00 - 9	
----------	--

6.50 - 10	
-----------	--

18 x 7 - 8	
------------	--

See full size list on page 40

SOLIDEAL PORTMASTER

BY CAMSO



No stronger bias tire



The strongest and most durable bias tire in the world. Ideal on hard surfaces and in highly abrasive environments, its extremely deep tread increases service life while providing the strongest carcass and the most sidewall protection possible.

PERFORMANCE

TIRE LIFE



POPULAR SIZES

12.00 - 20

PUNCTURE RESISTANCE



STABILITY



See full size list on page 44

GROUND SUPPORT EQUIPMENT (GSE)



SOLIDEAL AIR 561

BY CAMSO



Perfect solution for ground support equipment

1 Distinctive rib pattern design

Reduces rolling resistance, vibrations and prevents snaking

2 Energy-efficient rubber compound

Help reduce wear on heated airport apron surfaces

3 Deep tread lugs with high performance compound

Increases tire life

4 Unique lugs with sipes design

Increases traction on low grip conditions

PERFORMANCE

TIRE LIFE



PUNCTURE RESISTANCE



STABILITY



POPULAR SIZES

7.00 - 15

6.50 - 10

8.00 - 16.5

See full size list on page 42

SOLIDEAL RIB

BY CAMSO



Perfect solution to prevent snaking

1 Circumferential ribs

High cornering capability and low vibration

2 Low rolling resistance

Increases battery life and reduces fuel consumption

3 Excellent tread rubber compound

For long lifespan

PERFORMANCE

TIRE LIFE



PUNCTURE RESISTANCE



COMFORT



POPULAR SIZES

4.00 - 8

See full size list on page 40

WHEELS



WHEELS



Industrial wheels for your material handling applications



IND. MP WHEELS



PRESS-ON WHEELS



SPLIT WHEELS



BB PRESS-ON WHEELS

Globally established network of engineering and production facilities which provides also short-term deliveries, focused on your special demands, due to wheel operations in Knoxville, TN.

Service driven by value

Solideal on-site service, the dedicated service division of Camso, is the recommended partner of the most relevant Original Equipment and Tire Dealers around the globe. Tailor made service for your individual forklift tire maintenance needs, addressing the right solution for your operations.



ON-SITE MOBILE UNIT



The right tools to analyze your fleet requirements, establish your tire needs and determine which service package you require

OVER 250 TECHNICIANS



Specialized technicians with in-depth knowledge of the most efficient replacement methods



SOLUTIONS ADAPTED TO YOUR NEEDS

SUPPLY & FIT

Full Forklift Tire Service

Mobile fitting with best-in-class performance tires, specially selected to outfit your customized fleet.

TIRE FILL & TIRE REGROOVING

Life Extension Service

Professional specialized solution to ensure maximum tire life.

FIT OR PRESS ONLY

Specific Forklift Tire Service

Order-based professional on-site service designed to maximize your company's uptime.

PROFESSIONAL FLEET ANALYSIS

Maintenance Cycle Optimization

In-depth fleet analyses that take into account your individual operating conditions.

solideal
on-site service



USA | 1-800-732-2285
Canada | 1-800-361-5441
solideal.com

WHEN TO REPLACE YOUR FORKLIFT TIRES

When to replace a press-on tire

Camso recommends to replace a smooth Press-on tire when the overall rubber height reaches 2/3rds of the original rubber height. This dimension can be found on our published specification sheets.

Why?

- Reduced load carrying capacity
- Ensure clearance between mast and floor
- Improve ride quality and reduce shock transmission
- Reduce unnecessary lift maintenance



When to replace a Resilient tire

- Undamaged resilient tires can be worn down to the 60-J line as indicated on the sidewall of the tire
- Wearing beyond the 60-J line represents a safety hazard and can lead to unexpected tire failure as well as potential damage to the forklift truck
- Certain Solideal branded tires also feature a wearing indicator



When to replace a Pneumatic tire

- Pneumatic tires (not damaged) can be worn until the tread layer has been worn away
- Wearing beyond the tread pattern represents a safety hazard and can lead to unexpected tire failure as well as potential damage to the forklift





REMARKS (continued)

INDUSTRIAL PNEUMATIC TIRES

- (1) Consult tire and wheel manufacturer for confirmation of the suitability of the tire/rim combination particularly with regard to rim profile and wheel strength.
- (2) The speeds quoted in the table are the maximum speeds of the unloaded vehicle. An increase in load capacity for lower speeds is not permitted. Loads apply to cyclic service applications. Cyclic service means applications where tire are not used continuously at the load indicated by its Load Index and Speed Symbol. It does not refer to the length of time a vehicle is in use, but rather that there is a variation in load and/or speed.
- (3) This category includes:
 - Drive and steer wheels on other than counterbalanced forklift trucks;
 - Mobile cranes;
 - Free-rolling wheels on other vehicles (trailers) up to a maximum distance of 2000 m per journey.

For longer distances, fitted to wheels for rotary plants, for non intermittent service or for straddle carrier applications, please consult the technical department. For sideloaders applications, please consult the technical department.

NHS – Not for Highway Service: Tires primarily designed for use outside of public roads, but suitable for temporary/incidental use on public roads.

* Tube size is identical to tire size ** Table shows standard valves. Other valves on request.

5 YEAR TIRE WARRANTY[†]

All Camso products are guaranteed to be free from defects due to materials and workmanship.

If a product is deemed defective upon our examination and analysis inside a period of five (5) years from the manufacture of the product, Camso will provide an allowance against the current purchase price. The allowance will be determined by Camso, to be applied towards the purchase of a new product, based on the remaining unused portion of the tread or warrantable lifetime on the defective product.

The cost of transportation, service, and sales tax already paid will be borne by the owner of the Camso product making the claim. Warranty will not apply if the Camso product has been installed incorrectly, altered, repaired or misused in any matter whatsoever, which, in our opinion, has affected the performance of the tire.

Camso can not be held responsible for damages or claims caused by the tire whether such damages are direct or indirect, special, consequential or otherwise. Any liability is strictly limited to repair or reduction of an applicable purchase, according to the mentioned provision in our General Claim Policy and Adjustments.

This warranty is for the exclusive benefit of the owner and is transferrable to a subsequent owner but is not otherwise assignable.

[†]This text is an extract of our General Claim Policy and Adjustments, which is the only valid and applicable Policy.

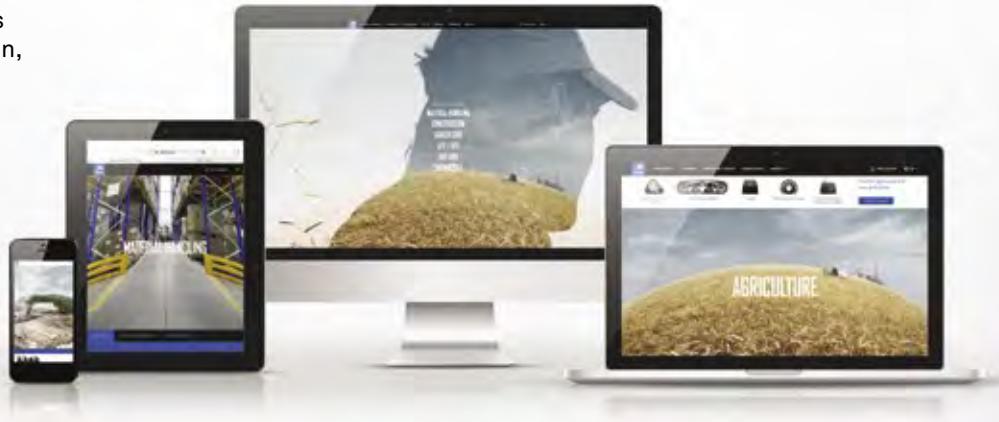
CAMSO DIGITAL TOOLS

CAMSO WEBSITE

Developed for those who work and play on a surface that isn't a road, Camso.co provides information and tools wherever and whenever users need them, no matter what device they're using: a phone, a tablet or a computer.

camso.co

- Product selectors for OTR tires, tracks and track systems for the Construction, Material Handling, Agriculture, and Powersports industries
- Dedicated content such as testimonials, videos, best practices and industry news
- Service and support information including warranty documents, data books and fitment guides
- Contact finder



CAMSO CONNECT

connect.camso.co or on the App Store

Camso connect, previously known as the Si (Sales Intelligence), is a tool that facilitates the explanation of the features and benefits of our Material Handling, Construction and Agricultural products.

- Accessible off-line with the iOS app version
- Complete product information, including features and benefits and product sheets
- 360 views of products and action videos
- Product support information



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